

Message

From: Rumrill, Nancy [Rumrill.Nancy@epa.gov]
Sent: 3/5/2019 8:50:44 PM
To: Dan Johnson [DanJohnson@florencecopper.com]
CC: Albright, David [Albright.David@epa.gov]
Subject: RE: M57-O Replacement Well

Hi Dan,

Your proposed M57 replacement design estimated top of bedrock at 545 ft and the top of the screen 70 ft below that. Your top of bedrock is higher than expected. Your top of the screen should be consistent with 60-70 ft below the top of bedrock.

I have no concerns. Thanks for keeping us informed.

Nancy

*Nancy Rumrill (rumrill.nancy@epa.gov)
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From: Dan Johnson <DanJohnson@florencecopper.com>
Sent: Tuesday, March 5, 2019 7:05 AM
To: Rumrill, Nancy <Rumrill.Nancy@epa.gov>
Cc: Albright, David <Albright.David@epa.gov>
Subject: M57-O Replacement Well

Good Morning Nancy,

We're in accordance M57-O Replacement Well Work Plan but I wanted to keep EPA informed on the construction of the M57-O Replacement Well. Based on the attached log, we note the following observations and propose the following top of screen for well M57-O-R.

Log Indications:

- The lithologic log reflects bedrock at a depth of 460 ft.
- The Gamma log kicks strongly at a depth of 450 ft.
- The 16 and 64-inch resistivity kick strongly at a depth between 480 and 485 ft.
- These log indications are consistent with the separation between the gamma and resistivity kicks we have seen at other borings.

We propose that we use the deepest of the log indications to pick the top of bedrock, at a depth of 485 feet bgs. Consequently, we propose that the top of screen be placed no higher than 525 feet bgs.

Please let me know if you or your consultants have any concerns about our proposed well construction.

Dan Johnson VP | General Manager



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